

DOCKET NO: H0498.70135US00

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Emanuele Ostuni, et al.

Serial No:

09/808,745

Confirmation No:

4346

Filed:

March 15, 2001

For:

CELL PATTERNING TECHNIQUE

Examiner:

Deborah K. Ware

Art Unit:

1651

## **CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 24 day of March, 2004.

MAIL STOP RCE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

# STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 C.F.R. §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

#### PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114. No fee or certification is required.

#### PART II: Information Cited

The Applicant hereby makes the following additional information of record in the above-identified application.

774030.1

Serial No.: 09/080,745 - 2 - Art Unit: 1651

Confirmation No.: 4346

The applicant would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

| Serial No. | Filing Date | <u>Inventor(s)</u>        |
|------------|-------------|---------------------------|
| 09/694,074 | 10/20/00    | Rebecca J. Jackman et al. |

#### PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
- 3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

- 3 -

Art Unit: 1651

An early and favorable action is hereby requested.

Respectfully submitted,

By:

Tani Chen, Sc. D. Reg. No. 52,728 Timothy J. Oyer, Ph.D., Reg. No. 36,628 Wolf, Greenfield & Sacks, P.C.

600 Atlantic Avenue

Boston, Massachusetts 02210-2211

Telephone: (617) 720-3500

Docket No. H0498.70135US00 Date: March \_\_\_\_\_\_\_\_, 2004

**xNDDx** 



FORM PTO-1449/A and Marketined)

Sheet

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICATION NO.: 09/808,745 ATTY. DOCKET NO.: H0498.70135US00

FILING DATE: March 15, 2001 CONFIRMATION NO.: 4346

APPLICANT: Emanuele Ostuni, et al.

1 of 1 GROUP ART UNIT: 1651 EXAMINER: Deborah K. Ware

#### U.S. PATENT DOCUMENTS

| L'Amiline 3 | Cite | U.S. Patent Document |              | Name of Patentee or Applicant of Cited | Date of Publication or of issue |  |
|-------------|------|----------------------|--------------|--|---------------------------------|--|
|             | No.  | Number               | Kind<br>Code | Document                               | of Cited Document MM-DD-YYYY    |  |
| •           | 17   | 4,022,521            |              | Hall, et al.                           | 05-10-1977                      |  |
|             | 18   | 4,119,745            |              | Smith                                  | 10-10-1978                      |  |
|             | 19   | 4,511,599            | :            | Rustomji                               | 04-16-1985                      |  |
|             | 20   | 4,988,424            |              | Woodward, et al.                       | 01-29-1991                      |  |
|             | 21   | 5,324,591            | Α            | Georger, Jr., et al.                   | 06-28-1994                      |  |
|             | 22   | 5,486,452            | Α            | Gordon, et al.                         | 01-23-1996                      |  |
|             | 23   | 5,512,131            | Α            | Kumar, et al.                          | 04-30-1996                      |  |
|             | 24   | 6,181,144            | B1           | Hembree, et al.                        | 01-30-2001                      |  |
|             | 25   | 6,207,369            | Bl           | Wohlstader, et al.                     | 03-27-2001                      |  |
|             | 26   | 2002/0029814         | Al           | Unger, et al.                          | 03-14-2002                      |  |
|             | 27   | 2002/0134907         | A1           | Benett, et al.                         | 09-26-2002                      |  |

#### FOREIGN PATENT DOCUMENTS

| Examiner's<br>Initials | Cite<br>No. | For<br>Office/<br>Country | eign Patent Docun | nent<br>Kind<br>Code | Name of Patentee or Applicant of Cited<br>Document<br>(not necessary) | Date of Publication of Cited Document MM-DD-YYYY | Translation<br>(Y/N) |
|------------------------|-------------|---------------------------|-------------------|----------------------|---|--|----------------------|
|                        | 28          | wo                        | 03/062920         | A2                   |   | 07-31-2003                                       |                      |

## OTHER ART — NON PATENT LITERATURE DOCUMENTS

| Examiner's     | Cite | Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item   | Translation |  |
|----------------|------|--|-------------|--|
| Initials No (t |      | (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), |             |  |
|                |      | publisher, city and/or country where published.  |             |  |
|                | 29   | JACKMAN, R.J., WILBUR, J.L., AND WHITESIDES, G.M., "Fabrication of Submicrometer Featrues on                 |             |  |
|                |      | Curved Substrates by Microcontact Printing", Science, Vol. 269, August 4, 1995                               |             |  |
|                | 30   | OSTUNI, E., CHAPMAN, R.G., HOLMLIN, R.E., TAKAYAMA, S., AND WHITESIDES, G.M., "A Survey                      |             |  |
|                |      | of Structure – Property Relationships of Surfaces that Resist the Adsorption of Protein",                    |             |  |
|                |      | Langmuir 2001, 17, 5605-5620   |             |  |
|                | 31   | OSTUNI, E., CHAPMAN, R.G., LIANG, M.N., MELULENI, G., PIER, G., INGBER, D.E., AND                            |             |  |
|                |      | WHITESIDES, G.M., "Self-Assembled Monolayers that Resist the Adsorption of Proteins and the Adhesion of      |             |  |
|                |      | Bacterial and Mammalian Cells", Langmuir 2001, 17, 6336-6343   | :           |  |
|                | 32   | KANE, R.S., SHUICHI, T., OSTUNI, E., INGBER, D.E., AND WHITESIDES, G.M., "Patterning Proteins and            |             |  |
|                |      | Cells Using Soft Lithography", Biomaterials 20 (1999) 2363-2376  |             |  |
|                | 33   | JACKMAN, R.J., DUFFY, D.C., OSTUNI, E., WILLMORE, N.D., AND WHITESIDES, G.M., "Fabricating                   |             |  |
|                |      | Large Arrays of Microwells with Arbitrary Dimensions and Filling Them Using Discontinuous Dewetting",        |             |  |
|                |      | Analytical Chemistry, Vol. 70, No. 11, June 1, 1998  |             |  |
|                | 34   | JACKMAN, R.J., BRITTAIN, S.T., ADAMS, A., WU, H., Prentiss, M.G., WHITESIDES, S. AND                         |             |  |
|                |      | WHITESIDES, G.M., "Three-Dimesional Metallic Microstructures Fabricated by Soft Lithography and              |             |  |
|                | l    | Microelectodeposition", Langmuir 1999, 15, 826-836   |             |  |
|                | 35   | OSTUNI, E., CHEN, C.S., INGBER, D.E., AND WHITESIDES, G.M., "Selective Deposition of Proteins and            |             |  |
|                |      | Cells in Arrays of Microwells", Langmuir 2001, 17, 2828-2834   |             |  |

| EXAMINER | DATE CONSIDERED |
|----------|-----------------|
|          |                 |
|          |                 |